

[illegible]

3. We obtained a cDNA clone encoding a human Epstein Barr virus-induced G-protein coupled receptor-2 (EBI-2) by screening a human hippocampus cDNA library. This clone was designated HHPGS02. We determined nucleotide sequence information for the HHPGS02 clone, as described below, using sequencing methods which were routine and publicly available as of the May 7, 1997 filing date of the present application. The HHPGS02 clone that we obtained this sequence information from was deposited with the American Type Culture

Collection (ATCC) on April 28, 1997 and was given ATCC Accession No. 209003. (See Attachment A.)

4. Evidence that the human HHPGS02 cDNA was deposited at the ATCC as Accession No. 209003 is provided by comparing the ATCC Deposit Receipt (Attachment A) with the information provided in the IRIS notebook page (entitled "Sequence Worksheet") included herewith as the first page of Attachment B.<sup>1</sup> The section of the page entitled "Sequence Information" corresponds clone HHPGS02<sup>2</sup> with the "HGS Code," 405439. HGS Code 405439 represents a particular sequence entry in IRIS for cDNA clone HHPGS02. HGS Code 405439 appears as the identifier on the ATCC deposit receipt. (See Attachment A.) This indicates that the clone used to obtain the sequence information of HGS Code 405439 was deposited. In other words, even though, as explained below, SEQ ID NO:1 and SEQ ID NO:2 in the Sequence Listing of the present application as originally filed, had typographical errors due to attorney error, the human HHPGS02 cDNA clone used to obtain the original, correct sequence data was deposited at the ATCC.

5. Attachment B provides four pages of data from the IRIS electronic notebook which shows the sequencing results of the human EBI-2 cDNA clone (*i.e.*, HHPGS02). The HHPGS02 sequence was obtained using a 373 Automated DNA sequencer (Applied Biosystems, Inc.). Sequencing accuracy using this method is predicted to be greater than 97%.

6. The information obtained from the HHPGS02 sequencing run differs from the Sequence Listing currently on file in the present application at four positions. In particular, SEQ

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<sup>1</sup>IRIS is an electronic notebook used by HGS scientists to enter and maintain sequence data.

<sup>2</sup>The "XX" designation added to the 7-character clone ID on the IRIS Notebook pages, e.g., HHPGS02, merely indicates that the sequence of that clone is full-length.

ID NO:1 contains typographical errors at the following nucleotide positions: position 242, which should be A rather than T; position 266, which should be C rather than A; position 1870 (in the 3' untranslated region), where a T should be deleted, and position 2206, where an N should be deleted. These typographical errors in the nucleotide sequence result in the following errors to the encoded amino acid sequence depicted as SEQ IDNO:2: an isoleucine at position 6 should be replaced with an asparagine, and an asparagine at position 14 should be replaced with a threonine. Both of these changes are reflected in the HHPGS02 amino acid sequence data shown on the third and fourth pages of Attachment B, as well as in an amino acid alignment originally filed with the present application as Figure 2.

7. I believe that the actual nucleotide sequence of the human HHPGS02 cDNA clone is the same as that originally entered in the IRIS notebook.

8. I am of the opinion that the correct EBI-2 nucleotide and amino acid sequences would have been apparent to one skilled in the art in possession of ATCC Deposit No. 209003 and the data from the HHPGS02 sequencing run, as of the May 7, 1997 filing date of the present application. This is so because the correct EBI-2 coding sequence can be readily determined from the deposited clone and methods for sequencing this clone were routine in the art in May of 1997.

***Human Endothelium Differentiation Gene-1-Like (EDG-1-Like) G-Protein Coupled Receptor***

9. We obtained a cDNA clone encoding a human endothelium differentiation gene-1-like (EDG-1-like) G-protein coupled receptor by screening a cDNA library derived from human activated neutrophils. This clone was designated HNFDL69. We determined nucleotide sequence information for the HNFDL69 clone, as described below, using sequencing methods which were routine and publicly available as of the May 7, 1997 filing date of the present application. The

HNFDL69 clone that we obtained this sequence information from was deposited with the American Type Culture Collection (ATCC) on April 28, 1997 and was given ATCC Accession No. 209004 (*See Attachment A.*)

10. Evidence that the human HNFDL69 cDNA was deposited at the ATCC as Accession No. 209004 is provided by comparing the ATCC Deposit Receipt (Attachment A) with the information provided in the IRIS notebook page (entitled "Sequence Worksheet") included herewith as the first page of Attachment C. The section of the page entitled "Sequence Information" corresponds clone HNFDL69 with the "HGS Code" 563238. HGS Code 563238, represents a particular sequence entry in IRIS for cDNA clone, HNFDL69. HGS code 563238 appears as the identifier on the ATCC deposit receipt. (*See Attachment A.*) This indicates that the clone used to obtain the sequence information of HGS Code 563238 was deposited. In other words, even though, as explained below, SEQ ID NO:3 and SEQ ID NO:4 of the Sequence Listing in the present application as originally filed, had typographical errors due to attorney error, the human HNFDL69 cDNA clone used to obtain the original, correct sequence data was deposited at the ATCC.

11. Attachment C provides three pages of data from the IRIS electronic notebook which shows the sequencing results of the human EDG-1-like cDNA clone (*i.e.*, HNFDL69). The HNFDL69 sequence was obtained using a 373 Automated DNA sequencer (Applied Biosystems, Inc.). Sequencing accuracy using this method is predicted to be greater than 97%.

12. The information obtained from the HNFDL69 nucleotide sequencing run differs from the Sequence Listing currently on file in the present application in two positions. In particular, SEQ ID NO:3 contains typographical errors at the following nucleotide positions: position 828, which should be T rather than C; and position 831, which should be T rather than

[illegible]

13. I believe that the actual nucleotide sequence of the human HNFDL69 cDNA clone is the same as that originally entered in the IRIS notebook.

14. I am of the opinion that the correct EDG-1-like nucleotide and amino acid sequences would have been apparent to one skilled in the art in possession of ATCC Deposit No. 209004 and the data from the HNF DL69 sequencing run, as of the May 7, 1997 filing date of the present application. This is so because the correct EDG-1-like coding sequence can be readily

[illegible]

2/15/99

Date \_\_\_\_\_

Alan T. Baker

Steven M. Ruben



# American Type Culture Collection

12301 Parklawn Drive • Rockville, MD 20852 USA • Telephone: 301-231-5519 or 231-5532 • FAX: 301-816-4366

BUDAPEST TREATY ON THE INTERNATIONAL RECOGNITION OF  
THE DEPOSIT OF MICROORGANISMS FOR THE PURPOSES OF PATENT PROCEDURE

## INTERNATIONAL FORM

RECEIPT IN THE CASE OF AN ORIGINAL DEPOSIT ISSUED PURSUANT TO RULE 7.3  
AND VIABILITY STATEMENT ISSUED PURSUANT TO RULE 10.2

RECEIVED

To: (Name and Address of Depositor or Attorney)

Human Genome Sciences, Inc.  
Attn: Robert H. Benson  
9410 Key West Avenue  
Rockville, MD 20850

HGS PATENT DEPT.

JSIAP-SKB

Deposited on Behalf of: Human Genome Sciences, Inc. (Ref. PF351PP-SKB)

PF351PP-SKB

Identification Reference by Depositor:

ATCC Designation

DNA Plasmid 405439  
DNA Plasmid 563238

209003 ✓  
209004 ✓

The deposits were accompanied by: \_\_\_ a scientific description \_\_\_ a proposed taxonomic description indicated above.

The deposits were received by this International Depository Authority and have been accepted.

### AT YOUR REQUEST:

☒ We will inform you of requests for the strains for 30 years.

The strains will be made available if a patent office signatory to the Budapest Treaty certifies one's right to receive, or if a U.S. Patent is issued citing the strains, and ATCC is instructed by the United States Patent & Trademark Office or the depositor to release said strains.

If the cultures should die or be destroyed during the effective term of the deposit, it shall be your responsibility to replace them with living cultures of the same.

The strains will be maintained for a period of at least 30 years from date of deposit, or five years after the most recent request for a sample, whichever is longer. The United States and many other countries are signatory to the Budapest Treaty.

The viability of the cultures cited above was tested

On that date, the cultures were viable.

International Depository Authority: American Type Culture Collection, Rockville, Md. 20852 USA

Signature of person having authority to represent ATCC:

Barbara M. Hailey

Barbara M. Hailey, Administrator, Patent Depository

Date:



## Sequence ID: HHPGS02XX

Library Catalog: H0051

**Class: 2**

**Previous Class: 2**

Overlap	Score	Description
gi 292057	136	EBI 2: EBV induced G-protein coupled receptor [Homo sapiens] >pir B45680 B45680 G protein-coupled peptide receptor EBI 2 -
gi 471121 gm	169	angiotensin II type 1b receptor [Homo sapiens] >gi 471121 gml PID d1003474 angiotensin II type 1b receptor [Homo sapiens] >
gi 2580588	273	(AF002986) platelet activating receptor homolog [Homo sapiens] >sp O14626 O14626 PLATELET ACTIVATING RECEPTOR HOMOLOG.
gi 2459585	528	VTR 15-20 receptor [Rattus norvegicus] >sp O35881 K101_RAT PROBABLE G PROTEIN-COUPLED RECEPTOR VTR 15-20.
gi 285995	538	K1AA0001 [Homo sapiens] >sp Q15391 K101_HUMAN PROBABLE G PROTEIN-COUPLED RECEPTOR K1AA0001.
gi 299615 gp	169	AT1 angiotensin II receptor [Oryctolagus sp.] >pir S1A48857 AT1 angiotensin II receptor, AT1 ANG II receptor >sp P
gi 217670 gp	171	angiotensin II receptor [Sus sp.] >gi 217670 gp D11340 PTGA2R_1 angiotensin II receptor [Sus sp.] >sp P30555 AG2R_PIG TYPE-
gi 44 gp X62	171	adrenal angiotensin II type-1 receptor [Bos taurus] >pir S1S1403 angiotensin II receptor type 1 - bovine >sp P25104 AG2R_B
gi 292057 gp	159	EBI 2: EBV induced G-protein coupled receptor [Homo sapiens] >pir S B45680 G protein-coupled peptide receptor=EBI 2 - human
gi 285995 gp	686	ORF [Homo sapiens] >gi 285995 gp D13626 HUMRSC38_1 ORF [Homo sapiens]

ID	HHHGS02XX unannotated; DNA; 2247 BP.
KIAA0001 [Homo sapiens]	

Sequence 2247 BP:

GCACGAGGAA	CAGAACACTT	TCTCATGTTC	AAGGTCAGAT	TACAGAAGCA	CTCAAGACTT
TACTGACGAA	AACTCAGGAA	ATCTCTATC	ACAAAGAGGT	TTGGCAACTA	AACTAAGACA
TTTAAAAGGA	AATTAACAGAT	GCCACTCTGC	AGGCTGCAAT	AACTACTACT	TACTGATATC
ATTCAAAACC	TTCAGAAATCA	ACAGTTATCA	GGTAAACAAC	AAGAAATGCA	AGCGTTCGAC
AATTCACACT	CTGGCGCTGG	GAACACCAAGT	CTGTGCACCA	GAGCATACAA	AATCAOCCAG
GTCCTCTTTC	CACCTGCTCA	CACGTGCTCG	TTTTTTGTTC	GACTATATCAC	AAATGCGCTG
CCGATGAGGA	TTTTCTTTCA	AATCCGAGAT	AAATCAAACT	TTATTTATTTTT	TCTTAAGAAC





HGS

Human Genome Sciences, Inc.

Sequence Worksheet

HHPGS02XX: KIAA0001 [Homo sapiens]

ACAGTCATTT CTGATCTTCT CATTGATCTG ACTTTTCCAT TCAGAAATTCCT TAGTGATGCC  
AAACTGGGAA CAGGACCACT GAGAACTTTT GGTGTGCAAG TTACTTCGGT CATATTTTAT  
TTTCAATATG ATATTCAGTAT TTCAATTCTG GACTGATTA CTATCGATCG CTACAGAAG  
ACGACCAAGC CATTTAAAC ATCCAACCC AAAATCTCT TGGGGCTTA GATTCCTCT  
GTTCATCT GGGCATTCAT GTTCTTACTC TCTTGGCTA ACATGATTCCT GACCAACAG  
CAGCCGAGAG ACAAGATGT GAGAAATGC TCTTTCCCTA AATCAGAGTT CGGTCTAGTC  
TGGCATGAAG TAGTAAATTA CATCTGTCAA GTCATTTTCT GGATTAATTT CTAAATGTT  
ATGTATGTT ATCACTCAT TACAAGAAG CTGACCGGT CATACGTAAG AACGAGGGT  
GTAGGTAAAG TCCCCAGGAA AAGGTGAAC GTCAAGTTT TCATTATCAT TCGTGTATTC  
TTTATTTGTT TTGTTCCTTT CCATTTTGCC CGAATTCCTT ACACCTGAG CCNAAACCCG  
GATGTCCTTG ACTGCACtGC tGAAATACT CIGTCTAAG TGAAGAGAG CACTCTGTG  
TTAACTTCTT TTAATGCATG CCTGATCCG TTCACTAAT TTTHCCCTTG CAAGTCCTC  
AGAAATTCCT TGATTAAGTAT GCTGAAGTC OCCAATCTG CAACATCTCT GTCCAGGAC  
AATAGGAAAG AAGACAGGA TGTGTGTGAC CCAATGAAG AGACTCCAAT GTAAACAAT  
TAACTAAGA AATATTTCAA TCTCTTTGTT TTCAAGATC GTTAAAGCAA AGGCTAAGT  
AAAATATTA ACTGACGAG AAGCACTTAA GTTAATATA ATGACTTAA AGAACAAGAA  
GATTACAAAA GCAATTTTCA TTATACCTTC CAGTATGAAG AGCTATCTTA AAATATAGAA  
AACTAATCTA AACTGTAGCT GTATTAGCAG CAAACAAG GACATCCAAT TGTCAATGCTG  
CATGCAAAAC TACACAGAAAT TCATGTTTG GCAGAGTTT GGCATAATGA GTAAATCATAT  
AATATTTACT GTATTTTAA AAATACATTA TCGTTTCAAA TTTTATTTT TCATTAATCAA  
CTAAGAAGA AGCATCAAT GGAATTAATC TTCTTAACAA AAATGATAGT TAAATGTAT  
ATATATCTA GTCCCTTAAC CAATCTGA CTATTTGGGA TACTTATTA AATTTAAGTA  
AGTGGATAC ACAAGAATA ATAACTATA ACTTTTCAAT ATTAGCCAAA AACCTAAGG  
ATTTAAACTA ATTGAACCTG TATTGATG GACTTAATTT TTTATGTTT TTTAGAAGAT  
AAAGATTTAA GAGACCTTT ACAATTAAGA GAGAAATAT CGAAGTCAT AAATTAAGGA  
GACTTACTTT TATGACATTC TAACTAATA AAATATAGAA ATATTTCTT AATCTAGAG  
AACTATGTT TACTAATTTT TTACAACCTC AATTAATACA TCACGACAC TTACCTTTAT  
TAAATGCTT CTAGAAAAATA GCTGCTAAT AGGTTAATGA ACATTTTAC TTAGTGAAGA  
AAATTTAAT AAATATGATT ACAAGGTGC ACAGCATAC TACTGAGAG AAGTGATTTG  
ATCTGTTGT AATTACTTGT TTGTATGCT GTGTATTAAG TACAATTTTA CATTAACCTC  
TAAATcatta aaaaaaaaaa aaaaaa

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Sequence Notes

## Sequence Information

Gene Name: KIAA0001 [Homo sapiens] HGS Code: 405439 Sequence ID: HHPGS02XX  
Library Name: Human Hippocampus Library Catalog: H0051  
Date Sequenced: Lab Sequenced: HGS Group ID: 56754 Class: 2  
Date Scored: Lab Scored: HGS In Group: 23 Previous Class: 2

## Search Results

Overlap	Score	Description
gi 292057	136	EBI 2: EBV induced G-protein coupled receptor [Homo sapiens] >pir B45680 B45680 G protein-coupled peptide receptor EBI 2 -
gi 471121 gm	169	angiotensin II type 1b receptor [Homo sapiens] >gi 471121 gm PID d1003474 angiotensin II type 1b receptor [Homo sapiens] >
gi 2580588	273	(AF002986) platelet activating receptor homolog [Homo sapiens] >sp O14626 O14626 PLATELET ACTIVATING RECEPTOR HOMOLOG.
gi 2459585	528	VTR 15-20 receptor [Rattus norvegicus] >sp 035881 KI01_PAT PROBABLE G PROTEIN-COUPLED RECEPTOR VTR 15-20.
gi 285995	538	KIAA0001 [Homo sapiens] >sp Q15391 KI01_HUMAN PROBABLE G PROTEIN-COUPLED RECEPTOR KIAA0001.
gi 299615 gp	169	AT1 angiotensin II receptor [Oryctolagus sp.] >pir S A48857 AT1 angiotensin II receptor, AT1 ANG II receptor - rabbit >sp P
gi 217670 gp	171	angiotensin II receptor [Sus sp.] >gi 217670 gp D11340 PIGA2R_1 angiotensin II receptor [Sus sp.] >sp P30555 AG2R_PIG TYPE-
gi 44 gp X62	171	adrenal angiotensin II type-1 receptor [Bos taurus] >pir S S15403 angiotensin II receptor type 1 - bovine >sp P25104 AG2R_B
gi 292057 gp	159	EBI 2: EBV induced G-protein coupled receptor [Homo sapiens] >pir S B45680 G protein-coupled peptide receptor=EBI 2 - human,
gi 285995 gp	686	ORF [Homo sapiens] >gi 285995 gp D13626 HUMSC338_1 ORF [Homo sapiens]

## Sequence

ID HHPGS02XX unannotated; DNA; 749 BP.  
KIAA0001 [Homo sapiens]

DT  
XX  
SQ

Sequence 749 BP:  
ARGTEHTIMS RVRLQEHSL Y\*RLKRSSI TKRFEN\*TKT LKGGYQMPIC RLQ\*LLITGY  
IQLTQNOQLS GNOQEMQAVD NLTSAPGNTS LCTRDYKITQ VLEPILYTVL FFEGLITNKL  
AMRIEFQIRS KSNFTIFLKN TVISDLIMTL TTFPKILSDA KLGTGPIRPF VCQVTSVIFY  
FIMTISISFL GLTTIDRYOK TTRPKTSNP KNLGAKILS VWIWMFELL SLPMWILLNR  
QPRDKNVKCC SFLKSEGLV WHEIVANYIQ VIFMINFLLIV IVCYTLITKE LYRSYVTRTG  
VGVKPRKKVN VKVFTIIAVF FICEVPEHFA RLPYTLSQTR DVEFDTAENI LEYVKESTLW  
LFTLNACLDP FIFYFLCKSF RNGLISMLKC PNASISLSQD NRKKEQDGGD PNEETPM\*TN



Human Genome Sciences, Inc.  
Sequence Worksheet  
HGS HPGS02XX: KIAA0001 [Homo sapiens]

\*LRKENL\*V FRTR\*SKALS KNIN\*RRSN\* VNND\*SKETE DYKSN\*HL\*PF QYEKL\*S\*NIE  
N\*SKL\*LY\*Q QNKRHP\*IVML HAKLHR\*IHVL AEFWQNE\*SY NITYCNF\*NIL SPTTILFFHNQ  
LRNDQOLDIT FLPRMIVKMY IYPSPLIKS\* PIGILIKI\*V SGHKE\*\*TL TFHY\*PKT\*G  
I\*TN\*NCI\*L DLIFVY\*LED KDLRRPLQ\*R FEISKSLK\*G DLL\*HSNIR KYRNTSLIE  
KVLILIFYNF NNTTDT\*LY \*LASRK\*LLI RLMNLLP\*\*K KIN\*I\*IQSC TA\*LLRCK\*L  
ICL\*LLWCIG VKIQI\*YIKL \*IIKKKKK

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Sequence Notes



Human Genome Sciences, Inc.  
Sequence Worksheet  
HNFDL69XX: H.sapiens repeat polymorphism in LIPE gene for hor

Sequence Information

Gene Name: H.sapiens repeat polymorphism in LIPE gene 1      HGS Code: 563238      Sequence ID: HNFDL69XX  
Library Name: Human Neutrophil, Activated      Library Catalog: H0271  
Date Sequenced:      Lab Sequenced: HGS      Group ID: 2514675      Class: 1  
Date Scored:      Lab Scored: HGS      In Group: 18      Previous Class: 1

Search Results

Overlap	Score	Description
gb X65642 1	260	H.sapiens repeat polymorphism in LIPE gene for hormone sensitive lipase.
gp X54937 HS	93	cannabinoid receptor [Homo sapiens] >pir S S17595 cannabinoid receptor - human >sp P21554 CB1R_HUMAN CANNABINOID RECEPTOR 1
gp X55812 RM	93	putative cannabinoid receptor [Rattus norvegicus] >pir S A33117 cannabinoid receptor - rat >sp P20272 CB1R_RAT CANNABINOID 1
gp L20334 MC	141	EDG-like receptor [Mus musculus]
gp U10699 RM	152	pH218 [Rattus norvegicus] >pir S J01465 probable G protein-coupled receptor - rat
gp M31210 HUI	210	BOGF1 gene product [Homo sapiens] >pir S A35300 G protein-coupled receptor edg-1 - human >sp P21453 EDG1_HUMAN PROBABLE G P

Sequence

ID HNFDL69XX unannotated; DNA; 1637 BP.  
DE H.sapiens repeat polymorphism in LIPE gene for hormone sensitive lipase.  
XX  
DT

Sequence 1637 BP;  
GGCAGAGACC CACCTTGCGT CGGCGCTCAG TCAGCCCCCG GGGAGGCCA TGAACGCCAC  
GGGAGACCCCG GTGGCCCCCG AGTCTTGCCA ACAGCTGGCG GCCCGCGGC ACAGCCGCTT  
CATGTGTCTG CACTACACAC ACTCGCGCGG GCTGGCCCGG CGCGGGGGGC CGAGGATGG  
CGGCTTGGGG GCGCTCGCGG GCGTGTGGT GCGGCCAGC TGCTGTGGT TGCTGGAGAA  
CTTGTGTGTG CTGGCGCCA TCACAGCCA CATTGGGTG CAACGCTGGG TCTACTATTG  
CCGTGTGAC ATTACATGA GTACCTGCT CACGGCGCG GCGTACTGG CCAACGTGCT  
GCTGTGGGG GCCCGACCT TCCGTGTGG GCCCGCCAG TGGTTCTTAC GGAAGGCCCT  
GCTCTTACC GCCCTGGCG CTTCCACCTT CAGCTGTCT TTTACTTGAG GGTGTGGCTT  
TGCCACCATG GTGGCGCGG TGCGGAGAG CGGGCCACC AAGACCAGC GCGTTAAGG  
CTTCAATGCG CTCTGTGGC TGCTGGCGC GCTGTGGGG ATGCTGCTT TGCTGGGCTG



HGS

Human Genome Sciences, Inc.  
Sequence Worksheet

HNFDL69XX: H.sapiens repeat polymorphism in LIPE gene for hor

GAACTGCTTG TGCGCTTTG AOCCTGCTC CAGCTTCTG CCCCTTACT CCAAGCCTA  
CATCTCTTC TGCTTGTA TCTTGGCGG CGTCTGGCC ACCATCATG GCTCTATGG  
GGCATCTTC CGCTTGTC AGGOCAGCG GCAGAGGCC CCAAGCCAG CGGCCCGG  
CAAGCGCGG CGCTGTGA AGACGGTCT GATGATCTG CAGCCCTCT TGGTGTCTG  
GGACCACTC TTGGGCTGC TGCTGGCGA CGTCTTGGC TTCAACTCT GGGCCAGGA  
GTACTGGCG GCATGACT GATCTTGGC CTTGGCGTC CTCACCTCG CGTCAACC  
CATCATCTAC TCTTGGCA GCAGGAGGT GTGAGAGCC GTGCTCAGT TCTCTGCTG  
CGGTGTCTC CGCTGGGA TGCGAGGCC CGGGACTGC CTGGCGGG CGGTGAGGC  
TCACTCGGA GCTTCCACA CCGACAGCT TCTGAGGCA AGGACAGCT TTGGCGCTC  
CGCTCGCTC AGCTTGGGA TGCGGAGCC CTTGTCCAG ATCTCCAGG TTGGAGCAT  
CTGAGTTTC AGCTTGGGT GTGATGCTG CAACCAACG GTGCTGCA GGCAGGCTT  
CCTGGGTAC AGGAGCTGT GTGCAACGA CTTGGCTG TATGGGAGC AGGGAACGG  
ACAGCCCC ATGACTTGC CCGTGGCTT CTGGGGCTT CTGAGCCAT ATGACTTGC  
CCAATTCTA TGCTCACCC TGACCAAGA GGCACCAAC CCACCTGCC GTAGAGCAG  
AGAGCAACCT GTGTGGGGG CGAGTGGGT CCCACAAC CGCTTCTGT GTGATCTGG  
GGAAGTCCG GCGCTCTCT GGGCTCAGT AGGCTTCCA GGTGCAAG GTTGACTGT  
GGATGCAAG CCTGGCAAC ATTGAAGTT GATCATGTGA AAAAAAAAAA AAAAAAAAAA  
AAAAAAAAA AAAAAAA

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Sequence Notes



HGS

Human Genome Sciences, Inc.  
Sequence Worksheet  
HNFDL69XX: H.sapiens repeat polymorphism in LIPE gene for hor

Sequence Information

Gene Name: H.sapiens repeat polymorphism in LIPE gene 1  
Library Name: Human Neutrophil, Activated  
Date Sequenced: Lab Sequenced: HGS  
Date Scored: Lab Scored: HGS  
HGS Code: 563238  
Library Catalog: H0271  
Sequence ID: HNFDL69XX  
Group ID: 2514675  
In Group: 18  
Class: 1  
Previous Class: 1

Search Results

Overlap	Score	Description
gb X65642	260	H.sapiens repeat polymorphism in LIPE gene for hormone sensitive lipase.
gp X54937 HS	93	cannabinoid receptor [Homo sapiens] >pir S S17595 cannabinoid receptor - human >sp P21554 CB1R_HUMAN CANNABINOID RECEPTOR 1
gp X55812 RN	93	putative cannabinoid receptor [Rattus norvegicus] >pir S A33117 cannabinoid receptor - rat >sp P20272 CB1R_RAT CANNABINOID 1
gp L20334 MC	141	EDG-like receptor [Mus musculus]
gp U10699 RN	152	ph218 [Rattus norvegicus] >pir S Jc1465 probable G protein-coupled receptor - rat
gp M31210 HU	210	BCGF1 gene product [Homo sapiens] >pir S A35300 G protein-coupled receptor edg-1 - human >sp P21453 EDG1_HUMAN PROBABLE G P

Sequence

ID HNFDL69XX unannotated; DNA; 545 BP.  
DE H.sapiens repeat polymorphism in LIPE gene for hormone sensitive lipase.  
XX  
DT

Sequence 545 BP;  
ARAHPASGLS QPRGEAMNAT GTFVAPESQO QLAAGHSRL IVLHYNHSGR IAGRGPEEDG  
GLGALRGSLV AASCLVLEN LVLAAITSH MRSQRWVYYC LVNTTMSDL TGAAYLANVL  
LSGARTFRLA PAQWFLRKL LFTALAASTF SLFTAGLRF ATMVRPAES GATKTSRVYG  
FTGLCWLLAA LIGMPLIGW NCLCAFDRCS SLPLYSKRY ILFCLVTFAG VLAITMELYG  
AIFRLVQASG QKAPRPAARR KARLLKTVL MLLAFLVOW GFLFGILLAD VFGSNLWAQE  
YLKGMWLLA LAVINSAVNP ILYSRSREV CRAVLSTLOC GCIRLGMRGP EDCIARAVEA  
HSGASTTDS LRPDSFRGS RSLSRMRER LSSISSVRSI \*SCSLACGMC NHRVRARQAL  
LGYRLCARN LALYGEQGTG QAPMDLPGEL SGLTPYELA HCMWLTLDKE ATPPPRRSR  
EHBGVASGF PTPRLCDG EVPAPIWASV GLPGCKGNTV GCMPOH\*SS IMWKKKKKKK  
KKKK



**HGS**

Human Genome Sciences, Inc.  
Sequence Worksheet  
HNF6L69XX: H.sapiens repeat polymorphism in LIPE gene for hor

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Sequence Notes